

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	713	345/84.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L2	1119	345/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L3	88	345/91.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L4	2111	345/98.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L5	705	340/815.45.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L6	1185	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L7	2638	315/169.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L8	82	(L7 L5 L2 L1 L3 L6 L4) and ((discharge near capacitor) and before)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L9	1034	(L7 L5 L2 L1 L3 L6 L4) and (current adj source)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L10	713	345/84.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L11	705	340/815.45.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L12	2638	315/169.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L13	1295	organic and L12	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L14	1185	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L15	713	345/84.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L16	713	345/84.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L17	2638	315/169.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L18	1119	345/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25

L19	1119	345/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L20	1185	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L21	1119	345/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L22	1119	345/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L23	705	340/815.45.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L24	2638	315/169.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L25	1295	organic and L24	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L26	713	345/84.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L27	1117	(L7 L5 L2 L1 L3 L6 L4) and ("active matrix organic light emitting diode" AMOLED OLED)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L28	1185	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L29	705	340/815.45.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L30	88	345/91.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L31	2111	345/98.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L32	330	(L12 L29 L22 L10 L30 L28 L31) and (pre- charge precharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L33	713	345/84.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L34	691	"active matrix" and L13	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L35	1185	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L36	88	345/91.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L37	2111	345/98.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L38	1119	345/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25

L39	713	345/84.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L40	705	340/815.45.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L41	705	340/815.45.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L42	1119	345/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L43	2111	345/98.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L44	88	345/91.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L45	1119	345/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L46	2111	345/98.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L47	2638	315/169.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L48	1185	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L49	330	(L47 L41 L45 L16 L44 L48 L46) and (pre- charge precharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L50	1119	345/82.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L51	409	(L7 L5 L2 L1 L3 L6 L4) and (((discharge charg\$3) near capacitor) and before)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L52	104	L49 and (current adj source)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L53	2111	345/98.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L54	705	340/815.45.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L55	2638	315/169.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L56	1185	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L57	88	345/91.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L58	713	345/84.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25

L59	1185	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L60	53	"active matrix" and L52	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L61	2111	345/98.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L62	705	340/815.45.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L63	2111	345/98.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L64	713	345/84.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L65	88	345/91.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L66	330	(L24 L23 L19 L64 L65 L59 L61) and (pre- charge precharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L67	2638	315/169.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L68	2111	345/98.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L69	1117	(L17 L40 L38 L39 L36 L35 L37) and ("active matrix organic light emitting diode" AMOLED OLED)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L70	76	(L7 L5 L2 L1 L3 L6 L4) and (((precharge pre-charge) and discharge) and capacitor)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L71	1185	345/92.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L72	2638	315/169.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L73	1091	(L12 L29 L22 L10 L30 L28 L31) and (capacitor and discharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L74	654	current and L34	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L75	0	(L7 L5 L2 L1 L3 L6 L4) and (((precharge pre-charge) and discharge) near capacitor)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25

L76	21	(L7 L5 L2 L1 L3 L6 L4) and (((precharge pre-charge) and discharge) with capacitor)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L77	691	"active matrix" and L25	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L78	654	current and L77	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L79	1091	(L24 L23 L19 L64 L65 L59 L61) and (capacitor and discharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L80	15	(L7 L5 L2 L1 L3 L6 L4) and (((precharge pre-charge) and (generate create cause)) and discharge) same capacitor)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L81	7	L80 and ("active matrix organic light emitting diode" AMOLED OLED)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L82	68	L19 and (pre-charge precharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L83	447	"active matrix" and L9	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L84	53	L83 and (pre-charge precharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L85	24	L19 and pre-charge	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L86	68	L22 and (pre-charge precharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L87	262	L32 not L86	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L88	4	(L7 L5 L2 L1 L3 L6 L4) and (((precharge pre-charge) near signal) and (discharge near capacitor))	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L89	29	organic and L23	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25

L90	76	(L17 L40 L38 L39 L36 L35 L37) and ((precharge pre-charge) and discharge and capacitor)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L91	5	L27 and (discharge near signal)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L92	89	L27 and (precharge pre-charge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L93	4	(L17 L40 L38 L39 L36 L35 L37) and (((precharge pre-charge) near signal) and (discharge near capacitor))	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L94	45	amoled and L77	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L95	628	(L7 L5 L2 L1 L3 L6 L4) and (((precharge pre-charge) and (generate create cause)) discharge) same capacitor)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L96	648	("active matrix organic light emitting diode" AMOLED OLED) and (current adj driven)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L97	76	(L7 L5 L2 L1 L3 L6 L4) and ((precharge pre-charge) and discharge and capacitor)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L98	24	L22 and pre-charge	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L99	88	345/91.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L100	88	345/91.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L101	648	("active matrix organic light emitting diode" AMOLED OLED) and (current adj driven)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25

L102	297	("active matrix organic light emitting diode" AMOLED OLED) and (pre-charge precharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L103	100	L102 and L101	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L104	40	(L47 L41 L45 L16 L44 L48 L46) and L103	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L105	88	345/91.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L106	32	(L42 L15 L105 L14 L63 L11 L72) and ((discharg\$3 near5 capacitor) near5 (advance prior early before))	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L107	32	(L18 L26 L57 L71 L43 L62 L67) and ((discharg\$3 near5 capacitor) near5 (advance prior early before))	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L108	26	(L7 L5 L2 L1 L3 L6 L4) and (((precharge pre-charge) and discharge) same capacitor)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L109	82	(L7 L5 L2 L1 L3 L6 L4) and (discharge near capacitor) and before	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L110	100	L96 and (pre-charge precharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L111	80	(L7 L5 L2 L1 L3 L6 L4) and ((discharge near capacitor) and before and charg\$3)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L112	102	L95 and ("active matrix organic light emitting diode" AMOLED OLED)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L113	56	(L7 L5 L2 L1 L3 L6 L4) and (((discharge and charg\$3) near capacitor) and before)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25

L114	149	L96 and discharge	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L115	145	L19 and (capacitor and discharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L116	145	L22 and (capacitor and discharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L117	297	("active matrix organic light emitting diode" AMOLED OLED) and (pre- charge precharge)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L118	262	L66 not L82	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L119	223	L27 and (discharge and signal)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L120	664	organic and L50	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L121	0	amoled same (discharge adj5 (storage adj5 capacitor))	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L122	16	L2 and (discharge adj5 (storage adj5 capacitor))	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L123	1404	insufficient adj5 discharge	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L124	1	L2 and L123	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L125	1	amoled and L123	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L126	2599	(defective deficient faulty inadequate incomplete poor unfinished unsatisfactory) adj5 discharge	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L127	0	amoled and L126	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L128	11	(L1 L4 L5 L2 L3 L6 L7) and L126	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L129	9	L2 and (discharge adj5 (storage adj5 capacitor)) and (charge adj5 (storage adj5 capacitor))	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25



L130	0	L2 and (discharge adj5 (storage adj5 capacitor)) and (precharge adj5 (storage adj5 capacitor))	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L131	0	L2 and L126	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L132	127680	(clear\$4 discharging eras\$4 blank\$5) near7 (pulse\$2 signal \$1)	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L133	3782	345/76-77,82-83.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L134	476	L132 and L133	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L135	54187	active near5 matrix	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L136	204	L134 and L135	US-PGPUB; USPAT	OR	ON	2008/06/20 11:25
L137	0	((AMOLED OLED) and (current near5 source) and (charg\$3 near5 path) and capacitor and ((pre near5 charg\$3) near5 signal) and (scan\$4 near5 signal)).clm.	US-PGPUB; USPAT	OR	ON	2008/06/20 11:32

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